

Ser. No. 10/030,788
Internal Docket No. RCA 89,608

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (CURRENTLY AMENDED) A computer controlled device operable using an integrated circuit (IC) card of a first type or of a second type, the device comprising:
 - a card reader, coupled to a microcontroller, wherein the card reader receives the IC card, said card reader having
 - means for applying a first signal to at least one of the operational contacts of the IC card that is placed in said card reader;
 - wherein the IC card of the first type responds differently to the first signal than the IC card of the second type, at least one of the IC cards producing a distinct second signal in response to the first signal;
 - means for determining whether the IC card in the card reader has produced the second signal; and
 - wherein means are provided for one of blocking and enabling respective signal paths associated with selected ones of said operational contacts to implement an interface for one of the first card and the second card types in response to said determining means.
2. (ORIGINAL) The computer controlled device of claim 1 wherein one of said cards of the first type and of the second type is an ISO/7816 card.
3. (CURRENTLY AMENDED) The computer controlled device of claim 1 wherein one of said cards of the first type and of the second type is an NRSS type B card.
4. (PREVIOUSLY PRESENTED) The computer controlled device of claim 1 wherein said card reader applies the first signal to an input/output contact of the IC card and monitors whether the IC card produces the second signal at the input/output contact of the IC card.

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5. (PREVIOUSLY PRESENTED) The computer controlled device of claim 1 wherein at least one of the means for producing, the means for determining and the means for blocking is contained in an interface controller, and wherein said operational contacts comprise a connector coupled to said interface controller, for providing a conductive path between said interface controller and the IC card.

6. (PREVIOUSLY PRESENTED) The computer controlled device of claim 5 wherein said means for one of blocking and enabling comprises:

a buffer, coupled between said interface controller and said connector, for blocking and enabling a signal to pass along a conductive path including a contact of the IC card, the buffer being responsive to a signal from said interface controller; and

a resistor, coupled to said connector, for coupling the contact of the IC card to a supply voltage.

7. (PREVIOUSLY PRESENTED) A method of providing an interface for an integrated circuit (IC) card of a first type or of a second type, the IC card having operational contacts and responding differently to signals applied to their respective operational contacts, the method comprising the steps of:

providing one reader having operational contacts for receiving the IC card;

accepting an integrated circuit (IC) card into the reader;

determining whether the integrated circuit (IC) card in the reader is a card of the first type or a card of the second type by subjecting the card in the reader to a signal and determining whether a responsive signal from the card is characteristic of a card of the first type or a card of the second type; and

implementing an interface for the identified IC card, wherein at least one signal path to predetermined ones of the operational contacts is enabled, or at least one signal path is disabled to implement an interface for one of the first card and the second card types, as a result of whether the

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responsive signal was determined to be characteristic of the first type or the second type.

8. (PREVIOUSLY PRESENTED) The method of claim 7 wherein the signal is selected such that a card of one of said first and second types transmits a reply signal in response to the signal and a card of the other of said first and second types is non-responsive to the signal.

9. (ORIGINAL) The method of claim 7 wherein the signal is a reset signal.

10. (PREVIOUSLY PRESENTED) The method of claim 7 wherein said implementing step comprises the step of disabling selected contacts of the IC card if said determining step identifies the IC card as a card of one of said two types.

11. (PREVIOUSLY PRESENTED) The method of claim 7 wherein said implementing step comprises the step of enabling selected contacts of the IC card if said determining step identifies the IC card as a card of one of said two types.

12. (ORIGINAL) The method of claim 7 wherein one of said types is ISO/7816.

13. (CURRENTLY AMENDED) The method of claim 7 wherein one of said types is NRSS type B.